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**IN THE CLAIMS:**

1. (CURRENTLY AMENDED) A method for adhering a film to a heat transfer component comprising the steps of:

    applying a layer of ethylene terpolymer including an organosilicone functional group to the heat transfer component;

    applying the film to said layer of ethylene terpolymer; and

    curing said layer of ethylene terpolymer to adhere the said film to the said heat transfer component;

    flowing a first fluid in said heat transfer component; and

    exchanging heat between said first fluid and a second fluid flowing around said heat transfer component.

2. (PREVIOUSLY PRESENTED) The method as recited in claim 1 wherein the step of applying said layer of ethylene terpolymer includes applying a rolling pressure.

3. (CURRENTLY AMENDED) The method as recited in claim 1 wherein the said film is polypropylene.

4. (PREVIOUSLY PRESENTED) The method as recited in claim 1 wherein the step of curing said layer of ethylene terpolymer includes adding water to said layer of ethylene terpolymer to cross-link said organosilicone functional groups.

5. (CURRENTLY AMENDED) The method as recited in claim 4 wherein said water is contained in the said film.

6. (ORIGINAL) The method as recited in claim 4 wherein said water is applied to said heat transfer component.

7. (CURRENTLY AMENDED) The method as recited in claim 4 wherein said water is applied to the said film.

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8. (CURRENTLY AMENDED) The method as recited in claim 1 wherein the said film is polar.

9. (CURRENTLY AMENDED) The method as recited in claim 1 wherein the said heat transfer component is a condensing heat exchanger.

10. (CURRENTLY AMENDED) A heat transfer component of a condensing furnace system comprising:

a metal surface that defines a flow passage;

a film adhered to said metal surface; and

a cured layer of ethylene terpolymer including an organosilicone functional group that adheres said film to said metal surface;

a first fluid that flows through the flow passage; and

a second fluid that flows around said flow passage, and said first fluid exchanges heat with said second fluid.

11. (PREVIOUSLY PRESENTED) The heat transfer component as recited in claim 10 further including water, and wherein said layer of ethylene terpolymer is cured by said water to cross-link said organosilicone functional groups.

12. (PREVIOUSLY PRESENTED) The method as recited in claim 4 wherein said water is contained in steam directed on said layer of ethylene terpolymer.

13. (PREVIOUSLY PRESENTED) The method as recited in claim 1 wherein said layer of ethylene terpolymer has a thickness between .5 mils and 5 mils.

14. (PREVIOUSLY PRESENTED) The method as recited in claim 1 wherein said layer of ethylene terpolymer has a thickness between 1 mil and 3 mils.

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15. (NEW) The method as recited in claim 1 further including the step of burning air and combustion products to produce said first fluid, and said second fluid is air.
16. (NEW) The method as recited in claim 1 further including the step of drawing said first fluid through said heat transfer component with a fan.
17. (NEW) The method as recited in claim 1 further including the step of exchanging heat between said first fluid and a fluid medium before the step of flowing said first fluid through said heat exchanger component.
18. (NEW) The method as recited in claim 1 wherein said heat transfer component is a plate heat exchanger.
19. (NEW) The heat transfer component as recited in claim 10 further including a burner that burns air and combustion products to produce said first fluid, and said second fluid is air.
20. (NEW) The heat transfer component as recited in claim 10 further including a fan that draws the first fluid through said heat transfer component.
21. (NEW) The heat transfer component as recited in claim 10 further including a primary heat exchanger, and said first fluid flows through said primary heat exchanger before flowing through said heat transfer component.
22. (NEW) The heat transfer component as recited in claim 10 wherein said heat transfer component is a plate heat exchanger.
23. (NEW) The heat transfer component as recited in claim 10 wherein said film is polar.
24. (NEW) The heat transfer component as recited in claim 10 wherein said heat transfer component is a condensing heat exchanger.

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25. (NEW) The heat transfer component as recited in claim 10 wherein said film is polypropylene.